

# TITLE: SEALING STRUCTURE FOR A SPRAY GUN RESERVOIR

## Field of the Invention

This invention relates to a sealing structure for a spray gun reservoir, and more particularly to a can having a circular trough close to an opening of the can, and a lid having a circular rib on a reduced portion of the lid to secure with the circular through of the can.

## Background of the Invention

A conventional spray gun reservoir comprises a can 3 and a lid 4, as shown in FIG. 3. The can 3 has a flat top on an open end while the lid 4 has a reduced portion 41 to be inserted into the can 3 to seal the can 3. This sealing structure may easily be loosened and the paint in the reservoir may be spoiled out.

## Summary of the Invention

It is the primary object of the present invention to provide a sealing structure for a spray gun reservoir, which provides a secure sealing structure to prevent paint from leakage.

It is another object of the present invention to provide the sealing structure for a spray gun reservoir, which is save in use.

It is a further object of the present invention to provide the sealing structure for a spray gun reservoir, which is easy to open and to seal.

## Brief Description of the Drawings

FIG. 1 is an exploded view of the present invention

FIG. 2 is an assembly view of the present view, partially sectioned, and

FIG. 3 is an assembly view of a prior art, partially sectioned.

## Detailed Description of the Preferred Embodiment

As shown in FIGS. 1 and 2, the present invention is generally composed of a can 1 and a lid 2.

The can 1 comprises an opening 11 with a curved edge 13 on the top edge end.  
5 A circular trough 12 is formed by starting from one end in a level with the extension line gradually deviating from the line, which causes a different height of the two ends. The two ends of the circular trough 12 are in rounded and dented shape for easy connection.

The lid 2 comprises a reduced portion 21 with a circular rib 22 surrounding the  
10 outer wall of the reduced portion 21, corresponding to the circular trough 11 of the can 1. A gap 23 is formed around the inner wall of the lid 2 corresponding to the curved edge 13 of the can 1. Two ends of the circular rib 22 of the lid 2 are formed in rounded for easy connection.

By covering the lid 2 on the can 1, the circular rib 22 may be easily guided into  
15 the circular trough 12 and to secure the can 1 properly.